ELSEVIER

15 November 1997

OPTICS COMMUNICATIONS

Optics Communications 143 (1997) 341–346

Author index to volume 143

Abedin, K.M., see Räsänen, J. 143 (1997) 1
Abraham, N.B., see Prati, F. 143 (1997) 133
Aing, P., G. Pauliat and G. Roosen, Noise issues in holographic photorefractive interconnections: application to neural networks 143 (1997) 87
Akhmediev, N.N., see Artigas, D. 143 (1997) 322
Allakhverdiev, K.R., see Kador, L. 143 (1997) 62
Artigas, D., L. Torner, J.P. Torres and N.N. Akhmediev, Asymmetrical splitting of higher-order optical solitons induced by quintic nonlinearity 143 (1997) 322
Atherton, B., see Diddams, S. 143 (1997) 252
Aucouturier, E., see Weyers, S. 143 (1997) 30

Ban, M., Equivalence of lossless beam splitter and nondegenerate parametric amplifier in conditional measurement 143 (1997) 225
Belić, M., M. Petrović, Z. Ljuboje and F. Kaiser, Threshold analysis of cat conjugator 143 (1997) 67
Benson, T.M., see Kong, M.G. 143 (1997) 301
Berwart, L., see De Veuster, Ch. 143 (1997) 95
Bitz, G., see Knappe, R. 143 (1997) 42
Boller, K.-J., see Knappe, R. 143 (1997) 42
Borghs, G., see Gao, W. 143 (1997) 19
Bourdet, G., see Lescroart, G. 143 (1997) 147
Braun, M., see Kador, L. 143 (1997) 62

Calderón, O.G., V.M. Pérez-García, J. Lega and J.M. Guerra, Loss-induced transverse effects in lasers 143 (1997) 315
Castaldo, F., D. Paparo and E. Santamato, Chaotic and hexagonal spontaneous pattern formation in the cross section of a laser beam in a defocusing Kerr-like film with single feedback mirror 143 (1997) 57
Chiang, K.S., Y.T. Chow, D.J. Richardson, D. Taverner, L. Dong, L. Reekie and K.M. Lo, Experimental demonstration of intermodal dispersion in a two-core optical fibre 143 (1997) 189
Chow, Y.T., see Chiang, K.S. 143 (1997) 189
Christopoulos, C., see Kong, M.G. 143 (1997) 301
Corner, L., R. Ramos-Garcia, A. Petris and M.J. Damzen, Experimental and theoretical characterisation of rhodium-doped barium titanate 143 (1997) 165
Coudray, P., P. Etienne, Y. Moreau, J. Porque and S.I. Najafi, Sol-gel channel waveguide on silicon: fast direct imprinting and low cost fabrication 143 (1997) 199

Damzen, M.J., see Corner, L. 143 (1997) 165
Deng, X., see Hua, R. 143 (1997) 47

De Veuster, Ch., P. Slangen, Y. Renotte, L. Berwart and Y. Lion, Influence of the geometry of illumination and viewing beams on displacement measurement errors in interferometric metrology 143 (1997) 95
DiBerardino, D., R.J. Rafac, D.M. Glantz and C.E. Tanner, Laser Doppler velocimetry of a fast beam with a temperature stabilized solid etalon 143 (1997) 118
Diddams, S., B. Atherton and J.-C. Diels, Square pulse generation in a ring dye laser 143 (1997) 252
Diels, J.-C., see Diddams, S. 143 (1997) 252
Dimarcq, N., see Weyers, S. 143 (1997) 30
Dong, L., see Chiang, K.S. 143 (1997) 189

Eiju, T., see Räsänen, J. 143 (1997) 1
Erden, M.F., see Ozaktas, H.M. 143 (1997) 75
Etcheverry, J.I., see Torga, J.R. 143 (1997) 230
Etienne, P., see Coudray, P. 143 (1997) 199

Frejlich, J., see Freschi, A.A. 143 (1997) 257
Freschi, A.A., P.M. Garcia and J. Frejlich, Phase-controlled photorefractive running holograms 143 (1997) 257

Gao, W., V. Gusev, C. Glorieux, J. Thoen and G. Borghs, Supersonic radiative transport of electron–hole plasma in semiconductors at room temperature studied by laser ultrasonics 143 (1997) 19
García-Fernández, P., see Sánchez-Díaz, A. 143 (1997) 294
Garcia, P.M., see Freschi, A.A. 143 (1997) 257
Glantz, D.M., see DiBerardino, D. 143 (1997) 118
Glorieux, C., see Gao, W. 143 (1997) 19
Gottfried, N.H., B. Roither and P.O.J. Scherer, New aspects of the ultrafast electronic decay of Malachite Green in solution 143 (1997) 261
Gross, B., see Manassah, J.T. 143 (1997) 329
Guerra, J.M., see Calderón, O.G. 143 (1997) 315
Gusev, V., see Gao, W. 143 (1997) 19

Hua, R., L. Qian, T. Zhi and X. Deng, Short pulse generation in a Nd:YAG laser by silicon 143 (1997) 47

Ikonić, Z., see Tomić, S. 143 (1997) 214

Jeong, J.-S., see Song, S.H. 143 (1997) 287
Jin, G., see Zhai, J. 143 (1997) 185
Jindal, R. and A. Kumar, On the zero bending-induced phase shift in a dual-mode rectangular/elliptical core waveguide 143 (1997) 15
Joseph, J., see Tripathi, R. 143 (1997) 5

Kador, L., M. Braun, K.R. Allakhverdiev and E.Yu. Salaev, Second-harmonic generation in GaSe crystals investigated with the Maker fringe technique 143 (1997) 62
Kaiser, F., see Belić, M. 143 (1997) 67
Kitoh, S., T. Obi, M. Yamaguchi and N. Ohyama, Compensation of color shift due to the multiple reflection of illumination in CCD endoscopic color measurement: (1) principle and basic experiment 143 (1997) 102
Knappe, R., G. Bitz, K.-J. Boller and R. Wallenstein, Compact single-frequency diode-pumped Cr:LiSAF lasers 143 (1997) 42

Kodama, Y., A.V. Mikhailov and S. Wabnitz, Input pulse optimization in wavelength-division-multiplexed soliton transmissions 143 (1997) 53
Kong, M.G., T.M. Benson and C. Christopoulos, Electron beam bunching with nonsinusoidal modulation field 143 (1997) 301
Korsunsky, E.A. and Yu.B. Ovchinnikov, Splitting of atomic beams by Raman transitions in continuous light waves 143 (1997) 219
Kumar, A., see Jindal, R. 143 (1997) 15

Lee, E.-H., see Song, S.H. 143 (1997) 287
Lega, J., see Calderón, O.G. 143 (1997) 315
Lescroart, G., R. Muller and G. Bourdet, Experimental investigations and theoretical modeling of a Tm:YVO_4 microchip laser 143 (1997) 147
Li, Z.Z., see Wu, H.Z. 143 (1997) 35
Lion, Y., see De Veuster, Ch. 143 (1997) 95
Ljuboje, Z., see Belić, M. 143 (1997) 67
Lo, K.M., see Chiang, K.S. 143 (1997) 189

Malomed, B.A., F. Matera and M. Settembre, Performance of optically amplified dispersion-compensated links: reduction of the time jitter for return to zero signals 143 (1997) 193
Manassah, J.T. and B. Gross, Superradiant amplification in an optically dense gas 143 (1997) 329
Marconi, M.C., see Torga, J.R. 143 (1997) 230
Matera, F., see Malomed, B.A. 143 (1997) 193
Matsuda, K., see Räsänen, J. 143 (1997) 1
Mehring, M., see Skalla, J. 143 (1997) 209
Mikhailov, A.V., see Kodama, Y. 143 (1997) 53
Milanović, V., see Tomić, S. 143 (1997) 214
Mirasso, C.R., see Sánchez-Díaz, A. 143 (1997) 294
Moreau, Y., see Coudray, P. 143 (1997) 199
Muller, R., see Lescroart, G. 143 (1997) 147

Najafi, S.I., see Coudray, P. 143 (1997) 199
Nienhuis, G., see Zambon, B. 143 (1997) 308

Obi, T., see Kitoh, S. 143 (1997) 102
Ohyama, N., see Kitoh, S. 143 (1997) 102
Ovchinnikov, Yu.B., see Korsunsky, E.A. 143 (1997) 219
Ozaktas, H.M. and M.F. Erden, Relationships among ray optical, Gaussian beam, and fractional Fourier transform descriptions of first-order optical systems 143 (1997) 75

Palai, P. and K. Thyagarajan, Effect of self-phase modulation on a dispersion compensated link employing a dispersion-compensating fiber 143 (1997) 203
Paparo, D., see Castaldo, F. 143 (1997) 57
Park, S., see Song, S.H. 143 (1997) 287
Pauliat, G., see Aing, P. 143 (1997) 87
Peiponen, K.-E., see Räsänen, J. 143 (1997) 1
Pendock, G.J. and D.D. Sampson, Capacity of coherence-multiplexed CDMA networks 143 (1997) 109
Pérez-García, V.M., see Calderón, O.G. 143 (1997) 315
Petris, A., see Corner, L. 143 (1997) 165

Petrović, M., see Belić, M. 143 (1997) 67
Petrovskiy, V.N., see Shananin, R.A. 143 (1997) 241
Pfau, T., see Power, W.L. 143 (1997) 125
Pilloff, H.S., Enhanced atom guiding in metal-coated, hollow-core optical fibers 143 (1997) 25
Piskarskas, A., V. Smilgevičius and A. Stabinis, Optical parametric oscillation excited by an incoherent conical beam 143 (1997) 72
Porque, J., see Coudray, P. 143 (1997) 199
Power, W.L., T. Pfau and M. Wilkens, Loading atoms into a surface trap: simulations of an experimental scheme 143 (1997) 125
Prati, F., G. Tissoni, M. San Miguel and N.B. Abraham, Vector vortices and polarization state of low-order transverse modes in a VCSEL 143 (1997) 133
Protsenko, E.D., see Shananin, R.A. 143 (1997) 241

Qian, L., see Hua, R. 143 (1997) 47

Rafac, R.J., see DiBerardino, D. 143 (1997) 118
Ramos-Garcia, R., see Corner, L. 143 (1997) 165
Räsänen, J., K.M. Abedin, K. Tenjimbayashi, T. Eiju, K. Matsuda and K.-E. Peiponen, Electron beam fabrication of scatter plate for scatter plate interferometer 143 (1997) 1
Reekie, L., see Chiang, K.S. 143 (1997) 189
Renotte, Y., see De Veuster, Ch. 143 (1997) 95
Richardson, D.J., see Chiang, K.S. 143 (1997) 189
Roither, B., see Gottfried, N.H. 143 (1997) 261
Roldán, E., Very low instability threshold in a three-level laser model with incoherent optical pumping 143 (1997) 235
Roosen, G., see Aing, P. 143 (1997) 87
Rovera, G.D., Low frequency noise optically pumped FIR laser with frequency stabilized pump 143 (1997) 247
Ruan, Y., see Zhai, J. 143 (1997) 185

Salaev, E.Yu., see Kador, L. 143 (1997) 62
Salimbeni, R., see Toci, G. 143 (1997) 156
Sampson, D.D., see Pendock, G.J. 143 (1997) 109
Sánchez-Díaz, A., P. García-Fernández, J.M. Soto-Crespo and C.R. Mirasso, Fiber based dispersion compensation schemes in nonlinear fibers for laser diode pulses in high bit-rate IM/DD systems 143 (1997) 294
San Miguel, M., see Prati, F. 143 (1997) 133
Santamato, E., see Castaldo, F. 143 (1997) 57
Scherer, P.O.J., see Gottfried, N.H. 143 (1997) 261
Settembre, M., see Malomed, B.A. 143 (1997) 193
Shananin, R.A., V.N. Petrovskiy, E.D. Protsenko, E.A. Shatrova and D.I. Soloviev, Linear two-frequency laser-diode-pumped continuous-wave Nd^{3+}:YAG laser with a phase-anisotropic cavity 143 (1997) 241
Shatrova, E.A., see Shananin, R.A. 143 (1997) 241
Shen, W.Z., see Wu, H.Z. 143 (1997) 35
Singh, K., see Tripathi, R. 143 (1997) 5
Skalla, J., G. Wäckerle and M. Mehring, Optical magnetic resonance imaging of atomic diffusion and laser beam spatial profiles 143 (1997) 209

Slangen, P., see De Veuster, Ch. 143 (1997) 95
Smilgevičius, V., see Piskarskas, A. 143 (1997) 72
Soloviev, D.I., see Shananin, R.A. 143 (1997) 241
Song, S.H., J.-S. Jeong, S. Park and E.-H. Lee, Planar optical implementation of fractional correlation 143 (1997) 287
Soto-Crespo, J.M., see Sánchez-Díaz, A. 143 (1997) 294
Stabinis, A., see Piskarskas, A. 143 (1997) 72

Tanner, C.E., see DiBerardino, D. 143 (1997) 118
Taverner, D., see Chiang, K.S. 143 (1997) 189
Tenjimbayashi, K., see Räsänen, J. 143 (1997) 1
Thoen, J., see Gao, W. 143 (1997) 19
Thyagarajan, K., see Palai, P. 143 (1997) 203
Tissoni, G., see Prati, F. 143 (1997) 133
Toci, G., M. Vannini and R. Salimbeni, Temporal dynamic of the non-linear mirror: an analytical description 143 (1997) 156
Tomić, S., V. Milanović and Z. Ikonić, Optimization of nonlinear optical rectification in quantum wells using the supersymmetric quantum mechanics 143 (1997) 214
Torga, J.R., J.I. Etcheverry and M.C. Marconi, Design of a fluorescence technique using double laser pulse excitation for the measurement of molecular Brownian dynamics 143 (1997) 230
Torner, L., see Artigas, D. 143 (1997) 322
Torres, J.P., see Artigas, D. 143 (1997) 322
Tripathi, R., J. Joseph and K. Singh, Pattern discrimination using wavelet filters in a photorefractive joint-transform correlator 143 (1997) 5

Valentin, C., see Weyers, S. 143 (1997) 30
Vannini, M., see Toci, G. 143 (1997) 156
Videen, G., Polarized light scattering from surface contaminants 143 (1997) 173

Wabnitz, S., see Kodama, Y. 143 (1997) 53
Wäckerle, G., see Skalla, J. 143 (1997) 209
Wallenstein, R., see Knappe, R. 143 (1997) 42
Wang, S., Near-field optical image of a homogeneous dielectric surface structure: A passive probe model 143 (1997) 179
Wang, Y., Multicriteria neural network approach to turbulent image reconstruction 143 (1997) 279
Weyers, S., E. Aucouturier, C. Valentin and N. Dimarcq, A continuous beam of cold cesium atoms extracted from a two-dimensional magneto-optical trap 143 (1997) 30
Wilkens, M., see Power, W.L. 143 (1997) 125
Wu, H.Z., A.L. Yang, J.Z. Wu, Z.Z. Li, C. Yong and W.Z. Shen, Enhancement of optical absorption of excitons in an $Al_xGa_{1-x}As/Al_yGa_{1-y}As$ micro-cavity 143 (1997) 35
Wu, J.Z., see Wu, H.Z. 143 (1997) 35
Wu, M., see Zhai, J. 143 (1997) 185

Xiao, M., Exact field distribution in a nanometric dipole–surface system 143 (1997) 11

Yamaguchi, M., see Kitoh, S. 143 (1997) 102
Yan, Y., see Zhai, J. 143 (1997) 185

Yang, A.L., see Wu, H.Z. 143 (1997) 35
Yong, C., see Wu, H.Z. 143 (1997) 35

Zambon, B. and G. Nienhuis, Reflection and transmission of light by thin vapor layers 143 (1997) 308
Zhai, J., G. Jin, Y. Ruan, Y. Yan and M. Wu, Study on data storage format of a holographic optical disk 143 (1997) 185
Zhi, T., see Hua, R. 143 (1997) 47

ELSEVIER

15 November 1997

Optics Communications 143 (1997) 347–350

OPTICS COMMUNICATIONS

Subject index to volume 143

Propagation, diffraction and scattering

G. Videen, Polarized light scattering from surface contaminants 173

R. Feced, S.E. Kanellopoulos, M. Farhadiroushan, V.A. Handerek and A.J. Rogers, Analysis of optical Kerr effect induced coupling among polarization modes in high-birefringence optical fibers 268

Optical information, image formation and analysis, optical computing

J. Räsänen, K.M. Abedin, K. Tenjimbayashi, T. Eiju, K. Matsuda and K.-E. Peiponen, Electron beam fabrication of scatter plate for scatter plate interferometer 1

R. Tripathi, J. Joseph and K. Singh, Pattern discrimination using wavelet filters in a photorefractive joint-transform correlator 5

M. Xiao, Exact field distribution in a nanometric dipole–surface system 11

H.M. Ozaktas and M.F. Erden, Relationships among ray optical, Gaussian beam, and fractional Fourier transform descriptions of first-order optical systems 75

P. Aing, G. Pauliat and G. Roosen, Noise issues in holographic photorefractive interconnections: application to neural networks 87

Ch. De Veuster, P. Slangen, Y. Renotte, L. Berwart and Y. Lion, Influence of the geometry of illumination and viewing beams on displacement measurement errors in interferometric metrology 95

S. Kitoh, T. Obi, M. Yamaguchi and N. Ohyama, Compensation of color shift due to the multiple reflection of illumination in CCD endoscopic color measurement: (1) principle and basic experiment 102

S. Wang, Near-field optical image of a homogeneous dielectric surface structure: A passive probe model 179

J. Zhai, G. Jin, Y. Ruan, Y. Yan and M. Wu, Study on data storage format of a holographic optical disk 185

Y. Wang, Multicriteria neural network approach to turbulent image reconstruction 279

S.H. Song, J.-S. Jeong, S. Park and E.-H. Lee, Planar optical implementation of fractional correlation 287

Optical communications

R. Jindal and A. Kumar, On the zero bending-induced phase shift in a dual-mode rectangular/elliptical core waveguide 15

G.J. Pendock and D.D. Sampson, Capacity of coherence-multiplexed CDMA networks 109

K.S. Chiang, Y.T. Chow, D.J. Richardson, D. Taverner, L. Dong, L. Reekie and K.M. Lo, Experimental demonstration of intermodal dispersion in a two-core optical fibre 189

B.A. Malomed, F. Matera and M. Settembre, Performance of optically amplified dispersion-compensated links: reduction of the time jitter for return to zero signals 193

P. Coudray, P. Etienne, Y. Moreau, J. Porque and S.I. Najafi, Sol-gel channel waveguide on silicon: fast direct imprinting and low cost fabrication 199

P. Palai and K. Thyagarajan, Effect of self-phase modulation on a dispersion compensated link employing a dispersion-compensating fiber 203

A. Sánchez-Díaz, P. García-Fernández, J.M. Soto-Crespo and C.R. Mirasso, Fiber based dispersion compensation schemes in nonlinear fibers for laser diode pulses in high bit-rate IM/DD systems 294

Atomic, molecular and plasma physics

W. Gao, V. Gusev, C. Glorieux, J. Thoen and G. Borghs, Supersonic radiative transport of electron–hole plasma in semiconductors at room temperature studied by laser ultrasonics 19

D. DiBerardino, R.J. Rafac, D.M. Glantz and C.E. Tanner, Laser Doppler velocimetry of a fast beam with a temperature stabilized solid etalon 118

J. Skalla, G. Wäckerle and M. Mehring, Optical magnetic resonance imaging of atomic diffusion and laser beam spatial profiles 209

M.G. Kong, T.M. Benson and C. Christopoulos, Electron beam bunching with nonsinusoidal modulation field 301

B. Zambon and G. Nienhuis, Reflection and transmission of light by thin vapor layers 308

Condensed matter

S. Tomić, V. Milanović and Z. Ikonić, Optimization of nonlinear optical rectification in quantum wells using the supersymmetric quantum mechanics 214

Quantum optics

H.S. Pilloff, Enhanced atom guiding in metal-coated, hollow-core optical fibers 25

S. Weyers, E. Aucouturier, C. Valentin and N. Dimarcq, A continuous beam of cold cesium atoms extracted from a two-dimensional magneto-optical trap 30

W.L. Power, T. Pfau and M. Wilkens, Loading atoms into a surface trap: simulations of an experimental scheme 125

E.A. Korsunsky and Yu.B. Ovchinnikov, Splitting of atomic beams by Raman transitions in continuous light waves 219

M. Ban, Equivalence of lossless beam splitter and nondegenerate parametric amplifier in conditional measurement 225

Lasers

H.Z. Wu, A.L. Yang, J.Z. Wu, Z.Z. Li, C. Yong and W.Z. Shen, Enhancement of optical absorption of excitons in an $Al_xGa_{1-x}As/Al_yGa_{1-y}As$ micro-cavity 35

R. Knappe, G. Bitz, K.-J. Boller and R. Wallenstein, Compact single-frequency diode-pumped Cr:LiSAF lasers 42

R. Hua, L. Qian, T. Zhi and X. Deng, Short pulse generation in a Nd:YAG laser by silicon 47

F. Prati, G. Tissoni, M. San Miguel and N.B. Abraham, Vector vortices and polarization state of low-order transverse modes in a VCSEL 133

G. Lescroart, R. Muller and G. Bourdet, Experimental investigations and theoretical modeling of a Tm:YVO_4 microchip laser 147

J.R. Torga, J.I. Etcheverry and M.C. Marconi, Design of a fluorescence technique using double laser pulse excitation for the measurement of molecular Brownian dynamics 230

E. Roldán, Very low instability threshold in a three-level laser model with incoherent optical pumping 235

R.A. Shananin, V.N. Petrovskiy, E.D. Protsenko, E.A. Shatrova and D.I. Soloviev, Linear two-frequency laser-diode-pumped continuous-wave Nd^{3+}:YAG laser with a phase-anisotropic cavity 241

G.D. Rovera, Low frequency noise optically pumped FIR laser with frequency stabilized pump 247

S. Diddams, B. Atherton and J.-C. Diels, Square pulse generation in a ring dye laser 252

O.G. Calderón, V.M. Pérez-García, J. Lega and J.M. Guerra, Loss-induced transverse effects in lasers 315

Nonlinear optics

Y. Kodama, A.V. Mikhailov and S. Wabnitz, Input pulse optimization in wavelength-division-multiplexed soliton transmissions 53

F. Castaldo, D. Paparo and E. Santamato, Chaotic and hexagonal spontaneous pattern formation in the cross section of a laser beam in a defocusing Kerr-like film with single feedback mirror 57

L. Kador, M. Braun, K.R. Allakhverdiev and E.Yu. Salaev, Second-harmonic generation in GaSe crystals investigated with the Maker fringe technique 62

M. Belić, M. Petrović, Z. Ljuboje and F. Kaiser, Threshold analysis of cat conjugator 67

A. Piskarskas, V. Smilgevičius and A. Stabinis, Optical parametric oscillation excited by an incoherent conical beam 72

G. Toci, M. Vannini and R. Salimbeni, Temporal dynamic of the non-linear mirror: an analytical description 156

L. Corner, R. Ramos-Garcia, A. Petris and M.J. Damzen, Experimental and theoretical characterisation of rhodium-doped barium titanate 165

A.A. Freschi, P.M. Garcia and J. Frejlich, Phase-controlled photorefractive running holograms 257

N.H. Gottfried, B. Roither and P.O.J. Scherer, New aspects of the ultrafast electronic decay of Malachite Green in solution 261

D.V. Petrov, F. Canal and L. Torner, A simple method to generate optical beams with a screw phase dislocation 265

D. Artigas, L. Torner, J.P. Torres and N.N. Akhmediev, Asymmetrical splitting of higher-order optical solitons induced by quintic nonlinearity 322

J.T. Manassah and B. Gross, Superradiant amplification in an optically dense gas 329